

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0009] with the following marked-up version of the paragraph:

[0009] To address these and other needs, some ~~mechanism~~mechanisms have been developed for enabling a software manufacturer to record a set of data points about a computer while it is executing an application. The data points contain measurements concerning a status, condition, action, event or other measurable property about the computer. The data point information is thereafter transmitted to a central computer for analysis so that the manufacturer can obtain timely and precise feedback about how an application is being used.

Please replace paragraph [0010] with the following marked-up version of the paragraph:

[0010] For example, an application can ~~[[been]]~~ be adapted to measure predetermined parameters about the usage, performance or status of a local computer on which the application is running. Applications that have been adapted to measure predetermined parameters can be referred to as "instrumented applications." The parameters to be measured are determined by the software manufacturer and can include information such as the processor speed of the computer system, the amount of its random access memory or the speed of the computer's Internet access. Upon execution, the instrumented application initiates an instrumentation session and measures the predetermined parameters to obtain values (potentially one or more values for each parameter). The instrumented application then represents the parameters and the corresponding values as data points. A single value data point can record a numeric or alphanumeric value, such as the amount of the computer's random access memory (RAM). A multiple value data point contains a series of numeric or alphanumeric values whereby the order of the values within the stream indicates the order in which the events or other parameters occurred, such as a list of clickable links the user selected.

Please replace paragraph [0031] with the following marked-up version of the paragraph:

[0031] Schema is further defined to include Document Type Definitions ("DTD"), such as, for example, DTD files ending with a ".dtd" extension and World Wide Web Consortium ("W3C")

XML Schemas, such as, for example, XML Schema files ending with a ".xsd" extension. However, the ~~actually~~-actual file extension for a particular DTD or XML schema is not important.

Please replace paragraph [0038] with the following marked-up version of the paragraph:

[0038] Figure 2 illustrates a flowchart of an example method 200 for configurable collection of computer related metric data in accordance with the present invention. The method 200 will be described with respect to the computer system, server, network, and components depicted in computer architecture 100. The method 200 includes an act of generating computer related metric data (act 201). For example, application 102, a corresponding operating system, and/or other modules accessible to computer system 101 (e.g., a network driver stack) may generate metric data 108.

Please replace paragraph [0039] with the following marked-up version of the paragraph:

[0039] Some portions of metric data 108 can be performance monitoring data and other portions of metric data 108 can be event log data. Accordingly, performance monitor 112 can maintain some portions of metric data 108 and event log [[103]] 113 can maintain other portions of metric data 108. Portions of metric data 108 can be maintained in system memory or other storage devices of computer system 101.

Please replace paragraph [0043] with the following marked-up version of the paragraph:

[0043] When appropriate, manifest 118 can be replaced with another different manifest (e.g., by downloading a new manifest or installing a new manifest from removable storage media). A replacement manifest can indicate that a different [[a]] portion of computer related metric data, from among all computer related metric data related to application 102, is to be packaged for delivery. Similarly, a replacement manifest can indicate different statistical operations that are to be performed on an indicated portion of computer related metric data. Thus, different manifests

can be utilized to package and perform ~~statistically~~-statistical operations on different portions of computer related metric data. Accordingly, a developer or administrator can more easily change the computer related metric data that is packaged for delivery (by changing a manifest), for example, in response to changed software development priorities or to perform more extensive studies with respect to a particular portion of computer related metric data.

Please replace paragraph [0045] with the following marked-up version of the paragraph:

[0045] The method 200 includes an act of sending schema-based package start data (act 203). For example, application 102 can send package start data 105. Package start data 105 can include elements and attributes of a vocabulary defined in selection schema 121 (e.g., an XML schema). Selection schema 121 can define elements and attributes that, when received at quality metric module 111, indicate to quality metric module 111 that a portion of generated computer related metric data is to be packaged. Selection schema 121 can define elements and attributes for indicating that performance data (e.g., maintained by performance monitor 112) and/or indicating that event log data (e.g., maintained by event log 113) is to be packaged for delivery. Selection schema 121 can also define elements and attributes for indicating that statistical operations are to be performed. Selection schema 121 can also define elements and attributes for indicating a server that is to ~~received~~-receive packaged metric data.

Please replace paragraph [0051] with the following marked-up version of the paragraph:

[0051] The method 200 includes an act of packaging the portion of generated computer related metric data according to a packaging schema (act 207). For example, quality metric module 111 can package a portion of of metric data 108 according to packaging schema 119 (e.g., an XML schema). Quality metric module 111 can package (sampled) metric data from data point store 109 and/or can package metric data from system memory.

Please replace paragraph [0052] with the following marked-up version of the paragraph:

[0052] Packaging schema 119 can define elements and attributes for indicating performance data and event log data and corresponding values. Packaging schema 119 can also define elements and ~~attributes~~attributes for indicating statistical operations and corresponding values. Packaging schema 119 can also define elements and attributes for indicating errors.

Please replace paragraph [0059] with the following marked-up version of the paragraph:

[0059] With reference to Figure 3, an example system for implementing the invention includes a general-purpose computing device in the form of computer system 320, including a processing unit 321, a system memory 322, and a system bus 323 that couples various system components including the system memory 322 to the processing unit 321. Processing unit 321 can execute computer-executable instructions designed to implement features of computer system 320, including features of the present invention. The system bus 323 may be any of several types of bus structures including a memory bus or memory controller, a peripheral bus, and a local bus using any of a variety of bus architectures. The system memory includes read only memory ("ROM") 324 and random access memory ("RAM") 325. A basic input/output system ("BIOS") 326, containing the basic routines that help transfer information between elements within computer system 320, such as during start-up, may be stored in ROM 324. It may be that performance monitor 112 and event log [[133]] 113 maintain corresponding performance data and event log data in RAM 325.

Please replace paragraph [0062] with the following marked-up version of the paragraph:

[0062] A monitor 347 or other display device is also connected to system bus [[423]] 323 via video interface 348. Monitor 347 can display monochrome and/or color graphical objects, including text, generated by computer system 320. Other peripheral devices (not shown), such as, for example, speakers, printers, and scanners, can also be connected to computer system 320.

Please replace paragraph [0064] with the following marked-up version of the paragraph:

[0064] Computer system 320 includes network interface 353, through which computer system 320 receives data from external sources and/or transmits data to external sources. As depicted in Figure 3, network interface 353 facilitates the exchange of data with remote computer system [[349b]] 383 via link 351. Network interface 353 can logically represent one or more software and/or hardware modules, such as, for example, a network interface card and corresponding Network Driver Interface Specification ("NDIS") stack. Link 351 represents a portion of a network (e.g., an Ethernet segment), and remote computer system [[349b]] 383 represents a node of the network.

Please replace paragraph [0065] with the following marked-up version of the paragraph:

[0065] Likewise, computer system 320 includes input/output interface 346, through which computer system 320 receives data from external sources and/or transmits data to external sources. Input/output interface 346 is coupled to modem 354 (e.g., a standard modem, a cable modem, or digital subscriber line ("DSL") modem), through which computer system [[430]] 320 receives data from and/or transmits data to external sources. As depicted in Figure 3, input/output interface 346 and modem 354 facilitate the exchange of data with remote computer system [[349a]] 393 via link 352. Link 352 represents a portion of a network and remote computer system [[349a]] 393 represents a node of the network.

Please replace paragraph [0067] with the following marked-up version of the paragraph:

[0067] In accordance with the present invention, modules, such as, for example, applications 102 and 104 and quality metric module 111 as well as associated program data, such as, for example, manifest 118, metric data 108, package start data [[106]] 105, package send command 107, sample command 124, packaged metric data 114, selection schema 121, and packaging schema 119, can be stored and accessed from any of the computer-readable media associated with computer system 320. For example, portions of such modules and portions of associated

program data may be included in operating system 335, application programs 336, program modules 337 and/or program data 338, for storage in system memory 322.

Please replace paragraph [0068] with the following marked-up version of the paragraph:

[0068] When a mass storage device, such as, for example, magnetic hard disk 339, is coupled to computer system 320, such modules and associated program data may also be stored in the mass storage device. In a networked environment, program modules depicted relative to computer system 320, or portions thereof, can be stored in remote memory storage devices, such as, system memory and/or mass storage devices associated with remote computer system ~~[[349a]] 393~~ and/or remote computer system ~~[[349b]] 383~~. Execution of such modules may be performed in a distributed environment.